

# HP Color LaserJet CP4005 Printer series

CP4005n • CP4005dn



The HP Color LaserJet CP4005 Printer series combines power-packed durability, low operating cost, and superb color quality for all your printing needs.



## Performance at the right price

- **Improve workgroup efficiency.** The HP Color LaserJet CP4005 Printer series is built for demanding high-volume environments, delivering color speeds up to 25 ppm and black-and-white speeds up to 30 ppm. No-wait Instant-on Technology virtually eliminates warm-up time: many jobs are ready and waiting before users even get to the printer.
- **Keep operating costs down.** This robust color LaserJet is certain to have a positive impact on your workplace while keeping expenses low. Because it's simple to operate, needs little maintenance, and requires fewer supplies with reliable HP all-in-one print cartridges, it delivers a quick return on your investment.

## Brilliant color communication

- **Produce color documents as dynamic as your business.** HP ColorSphere toner works in concert with enhanced ImageREt 3600 technology, capturing the finer differences in color and image depth to reveal more natural, realistic images. Higher gloss makes colors look brighter and increases the range of colors. For optimal results, the five-layer coating technology on select HP paper and HP ColorSphere toner work better together.
- **Print with confidence.** The sophisticated HP engine design includes intelligent and conveniently timed color calibration to improve print quality without hampering performance. With HP Smart printing technology,<sup>1</sup> the printer and cartridges work together, triggering automatic adjustments to optimize print quality and reliability page after page.
- **Create brilliant marketing materials.** The printer balances superb print quality, fast speed, and incomparable ease of use to make in-house marketing a reality. Create stunning brochures, pamphlets, and presentations on your own and in no time with this top-of-the-line color laser printer.

## Solid and reliable printing

- **Expect legendary HP reliability.** The HP Color LaserJet CP4005 Printer series is designed to handle the wear and tear associated with workgroups or high-volume environments. HP print cartridges are solidly constructed with the highest quality materials and components. The cartridges make up 70% of the imaging system and include the developer and drum—so you refresh the printer with every replacement for consistently sharp black text and rich color.
- **Reduce user intervention.** Add an optional 500-sheet input tray<sup>2</sup> for an input capacity of up to 1,100 sheets. End users will appreciate reloading paper less often. The printer also supports a wide range of sizes, types, and weights. And, with an automatic two-sided printing unit, you can print more while conserving resources.<sup>3</sup>

## Simple use and maintenance

- **Take advantage of a printer designed to ease your workload.** Embedded networking capability makes sharing the printer a snap. Cartridges are preinstalled when your printer arrives and the printer's software installs in just a few simple clicks. A media-type sensor automatically chooses the optimal print setting for the selected paper. Convenient front access allows you to replace cartridges easily.
- **Ensure a comfortable experience.** The familiar HP control panel provides the walk-up experience you're accustomed to. The menu is easy to navigate and provides quick access to printer and supplies status so users can troubleshoot and manage their print jobs effectively.

HP printing and imaging systems help you create powerful, professional communications easily. HP multifunction products, supplies, accessories, and services are designed to work together and are invented to meet your business needs.

<sup>1</sup> Using genuine HP supplies ensures availability of all HP printing features.

<sup>2</sup> The maximum input capacity of 1,100 sheets requires the purchase of an additional (not included, sold separately) 500-sheet input tray.

<sup>3</sup> Two-sided printing unit is standard on the CP4005dn only and is not available as an option on the CP4005n.



# HP Color LaserJet CP4005 Printer series

- 1 Automatic two-sided printing unit offers efficient duplexing at full engine speed (CP4005dn only)
- 2 Top cover
- 3 Front door allows convenient access to four, all-in-one HP print cartridges
- 4 100-sheet multipurpose tray handles heavy custom media up to 58 lb bond (220 g/m<sup>2</sup>)
- 5 500-sheet tray 2
- 6 Optional 500-sheet tray 3
- 7 Control panel simultaneously displays up to four lines of text and animated graphics
- 8 Hi-Speed USB 2.0 port
- 9 HP Jetdirect Fast Ethernet embedded print server



**Front view**

## HP Color LaserJet CP4005dn Printer shown



**Right side view**

## Series at a glance



### HP Color LaserJet CP4005n printer (CB503A)

- 100-sheet multipurpose tray 1
- 500-sheet input tray 2 for a 600-sheet capacity
- 128 MB total memory, expandable to 512 MB
- HP Jetdirect Fast Ethernet embedded print server



### HP Color LaserJet CP4005dn printer (CB504A)

- 100-sheet multipurpose tray 1
- 500-sheet input tray 2 for a 600-sheet capacity
- Automatic two-sided printing unit
- 256 MB total, expandable to 512 MB
- HP Jetdirect Fast Ethernet embedded print server

So simple to use and maintain,  
it almost takes care of itself.

### HP Marketing Assistant Software

When you print materials in-house, you have control over the process: you ensure that printing is efficient, affordable, confidential, and can make changes at a moment's notice without wasting printed material.

However, complex marketing collateral software can be overwhelming, leaving you wishing there were a better way to create high-impact marketing materials.

HP Marketing Assistant Software answers this need.<sup>4</sup> It provides professionally-designed templates, top quality HP paper, step-by-step instructions, and an online portal with tips, success stories, and training classes—so even if you've never created marketing materials before, you'll be whipping up dazzling documents in no time. For optimal results, use HP Color Laser Glossy Brochure Paper or HP Color Laser Soft Gloss Presentation Paper.

### Convenient color access controls

Color can make your business more professional, effective, and profitable—but it's important to keep printing costs in check. That's why HP engineers have developed color access controls to manage color capability in your device. You can assign color access by user and application or shut down color capability completely until needed for special projects. Selected teams can leverage the power of color, while those who don't need it automatically default to black-and-white printing. More information is available at [www.hp.com/go/coloraccess](http://www.hp.com/go/coloraccess).

### Award-winning HP support

HP's legendary customer service and support backs every printer with a limited one-year warranty; fast, knowledgeable online support available 24/7 at [www.hp.com/support](http://www.hp.com/support); and easy-to-access phone support provided by HP-trained agents. Plus, you can enhance your warranty protection with the purchase of affordable HP Care Pack Services.

<sup>4</sup> HP Marketing Assistant Software is available online at [www.hp.com/go/marketingassistant](http://www.hp.com/go/marketingassistant).

<sup>5</sup> Program features and availability may vary by country. For more information, visit [www.hp.com/learn/suresupply](http://www.hp.com/learn/suresupply). Order consolidation available with HP Easy Printer Care Software installed or through HP Web Jetadmin Report Generation Plug-in.

### Save time and do more

- HP Easy Printer Care Software 2.0 is your one-stop management solution for up to 15 HP LaserJet printers and MFPs. Perform multiple tasks with one tool: easily view the status of one or multiple devices, set up printer and supply alerts, generate basic usage reports, and reorder supplies via HP SureSupply<sup>5</sup> with the click of a button. In addition, HP Instant Support and HP Software Update provide fast, online help from your desktop. More information is available at [www.hp.com/go/easyprintercare](http://www.hp.com/go/easyprintercare)
- Businesses have a huge investment in their print resources, and providing and managing end-user access to these resources can be a full-time job for busy IT professionals. The HP Universal Print Driver Series for Windows can alleviate such headaches with a single, intelligent driver that replaces individual drivers for most HP networked printers. For more information and to download the driver for free, go to [www.hp.com/go/universalprintdriver](http://www.hp.com/go/universalprintdriver).

### 100 million HP LaserJet printers shipped

No one has supplied more printers to more people than HP. For more than 20 years, HP has introduced innovative laser printing products. And now, HP celebrates shipment of the 100 millionth HP LaserJet printer. HP printers offer proven reliability, award-winning service and support, and the broadest portfolio of printing solutions in the industry. Count on the legendary quality of HP LaserJet printers.



# HP Color LaserJet CP4005 Printer series

Technical specifications	HP Color LaserJet CP4005n printer (CB503A)	HP Color LaserJet CP4005dn printer (CB504A)
<b>Print speed</b>	Up to 30 ppm black-and-white, up to 25 ppm color, <sup>6</sup> (A4 and letter)	
<b>First page out</b>	As fast as 10 seconds	
<b>Print resolution</b>	600 by 600 dpi, HP ImageREt 3600	
<b>Processor</b>	533 MHz MIPS	
<b>Memory, standard</b>	128 MB RAM	256 MB RAM
<b>Memory, maximum</b>	512 MB RAM	
<b>Durability rating</b>	Recommended monthly page volume: 2,000 to 7,500 <sup>7</sup> Duty cycle: Up to 80,000 <sup>8</sup>	
<b>Paper</b>		
Handling	100-sheet multipurpose tray 1, 500-sheet tray 2, optional 500-sheet tray 3	100-sheet multipurpose tray 1, 500-sheet tray 2, optional 500-sheet tray 3
Output	500-sheet face-down output bin	
Duplex printing	Manual two-sided printing	Automatic two-sided printing unit
Sizes	100-sheet multipurpose tray 1: 76 by 127 mm (3 by 5 in) to 216 by 356 mm (8.5 by 14 in); letter, legal, statement, executive, A4, A5, B5 (JIS), executive (JIS), DPostcard (JIS), 16k, envelopes (No. 10, Monarch, C5, DL, B5) Automatic two-sided printing unit and 500-sheet input trays: 148 by 210 mm (5.8 by 8.3 in) to 216 by 356 mm (8.5 by 14 in); letter, legal, executive, A4, A5, B5 (JIS)	
Weights	100-sheet multipurpose tray 1: 60 to 220 g/m <sup>2</sup> (16 to 58 lb bond) 500-sheet tray 2 and optional 500-sheet tray 3: 60 to 120 g/m <sup>2</sup> (16 to 32 lb bond) Automatic two-sided printing unit: 60 to 120 g/m <sup>2</sup> (16 to 32 lb bond)	
Types	100-sheet multipurpose tray 1: paper (plain, glossy, colored, preprinted, letterhead, recycled, HP tough, and high gloss laser), envelopes, transparencies, labels, cardstock 500-sheet input trays: paper (plain, glossy, colored, preprinted, letterhead, recycled, HP tough, and high gloss laser), transparencies, labels	
<b>Connectivity</b>		
Interfaces	Hi-Speed USB 2.0 port HP Jetdirect Fast Ethernet embedded print server	
Languages and fonts	HP PCL6, HP PCL5c, HP postscript level 3 emulation, direct PDF printing v 1.4 93 internal TrueType fonts scalable in HP PCL and HP postscript level 3 emulation	
Operating systems	Windows 2000, XP Home, XP Professional, XP Professional x64, Server 2003; Mac OS X v 10.2 or higher	
Network protocols	TCP/IP, IP Direct Mode, LPD printing, Telnet, SLP, IGMP, BOOTP/DHCP, WINS, SNMP, HTTP, Auto-IP, Apple Bonjour compatible (Mac OS v 10.2.4 and higher) For external value-featured print servers: TCP/IP, IPX/SPX direct mode, AppleTalk, IP Direct Mode, LPD printing, Telnet, SLP, IGMP, BOOTP/DHCP, WINS, SNMP, HTTP, Auto-IP, Apple Bonjour compatible (Mac OS v 10.2.4 and higher) For external full-featured print servers: TCP/IP, IPX/SPX, AppleTalk, DLC/LLC, IP Direct Mode, LPD, FTP Printing, IPP, Netware NDS, Bindery, NDPS, iPrint, Telnet, SLP, IGMP, BOOTP/DHCP, WINS, SNMP, HTTP, Auto-IP, Apple Bonjour Compatible (Mac OS v 10.2.4 and higher)	
<b>Dimensions (w by d by h)</b>	20.5 in by 23.5 in by 22.9 in (521 mm by 598 mm by 582 mm)	20.5 in by 23.5 in by 24.7 in (521 mm by 598 mm by 628.6 mm)
<b>Weight</b>	105.1 lb (47.7 kg)	107.8 lb (48.9 kg)
<b>What's in the box</b>	HP Color LaserJet CP4005n printer, 100-sheet multipurpose tray 1, 500-sheet input tray 2, power cable, software drivers and documentation on CD-ROM, in-box documentation (Getting Started Guide), full-capacity 7,500-page <sup>9</sup> black, cyan, magenta, and yellow HP Color LaserJet print cartridges with HP ColorSphere toner, HP Jetdirect Fast Ethernet embedded print server	HP Color LaserJet CP4005dn Printer, 100-sheet multipurpose tray 1, 500-sheet input tray 2, power cable, software drivers and documentation on CD-ROM, in-box documentation (Getting Started Guide), full-capacity 7,500-page <sup>9</sup> black, cyan, magenta, and yellow HP Color LaserJet print cartridges with HP ColorSphere toner, HP Jetdirect Fast Ethernet embedded print server

<b>Environmental ranges</b>	Maximum: 10 to 30 degrees C (50 to 86 degrees F) 10 to 80 percent relative humidity Recommended: 17 to 25 degrees C (62.6 to 77 degrees F) 30 to 70 percent relative humidity
<b>Altitude</b>	0 to 2300 m (0 to 7500 ft)
<b>Sound power</b>	Power: active: 6.7 B(A); Ready: 7.7 B(A)
<b>Bystander sound pressure</b>	Pressure (bystander): active: 50 dB(A), standby: 31 dB(A)
<b>Power consumption<sup>10</sup></b>	110-volt models 110 to 127 V (±10 percent), 50/60 Hz (±2 Hz) 220-volt models 220 to 240 V (±10 percent), 50/60 Hz (±2 Hz) Typical Electricity Consumption (TEC): 4.615 kWh/Week Active 567 watts Standby 55 watts PowerSave 17 watts Off 0.3 watts
<b>Power certifications</b>	EMC: CISPR 22: 1993/A1, A2; EN 55022: 1994/A1, A2 Class B; EN 61000-3-2: 2000; EN 61000-3-3: 1995/A1; EN 55024: 1998/A1, A2; FCC Title 47 CFR, Part 15 Class B/ICES-003, Issue 4/GB9254-1998, GB17625.1-1998; EMC Directive 89/336/EEC, the Low Voltage Directive 73/23/EEC and carries the CE-Marking accordingly Safety: Argentina (TUV S Mark-Rs.92/98/Ds.1009/98), Australia (AS/NZ 3260), Canada (cUL-CAN/CSA C22.2 No.60950-00), China (GB4943), Czech Republic (CSN-IEC 60950-IEC 60825-1), Estonia (EEI-EN60950-IEC 60825-1), EU (CE Mark-Low Voltage Directive 73/23/EEC), Germany (TUV-EN60950-IEC 60825-1), Hungary (MEE-IEC 60950-IEC 60825-1), Lithuania (LS-IEC 60950-IEC 60825-1), Mexico (NOM NYCE-NOM 019 SCFI), Poland (B Mark-IEC 60950-IEC 60825-1), (Russia (GOST-R50377), Slovakia (IEC 60950-IEC60825-1), Slovenia (SQHEC 60950-EN60825-1), South Africa (IEC 60950-IEC60825-1), USA (UL-UL 60950; FDA-21 CFR Chapter 1 Subchapter J for lasers); Class 1 Laser/LED Product One-year, next-day, onsite warranty; no installation To learn more, please visit <a href="http://www.hp.com/go/SureSupply">www.hp.com/go/SureSupply</a>
<b>Warranty</b>	
<b>HP SureSupply enabled</b>	
<sup>6</sup> Exact speed varies depending on the system configuration, software application, driver and document complexity.	
<sup>7</sup> HP recommends that the number of printed pages per month be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period.	
<sup>8</sup> Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.	
<sup>9</sup> All print cartridge page yields are based at five percent page coverage. Declared yield value in accordance with ISO/IEC 19752. For more information, visit <a href="http://www.hp.com/go/pageyield">www.hp.com/go/pageyield</a> .	
<sup>10</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty.	

## Ordering information

Product	Number
HP Color LaserJet CP4005n printer	CB503A
HP Color LaserJet CP4005dn printer	CB504A
<b>Connectivity</b>	
HP Jetdirect ew2400 802.11g Wireless and Fast Ethernet external print server (USB 2.0)	J7951A
HP Jetdirect en3700 Fast Ethernet external print server (USB 2.0)	J7942A
<b>Accessories</b>	
HP 500-sheet paper input tray 3	Q7499A
HP printer stand	Q7501A
<b>HP with HP ColorSphere toner<sup>9</sup></b>	
HP Color LaserJet Black Print Cartridge (7,500 pages)	CB400A
HP Color LaserJet Cyan Print Cartridge (7,500 pages)	CB401A
HP Color LaserJet Yellow Print Cartridge (7,500 pages)	CB402A
HP Color LaserJet Magenta Print Cartridge (7,500 pages)	CB403A
<b>Memory and storage</b>	
128 MB 200-pin DDR DIMM	Q7721A
256 MB 200-pin DDR DIMM	Q7722A
512 MB 200-pin DDR DIMM	Q7723A
<b>Cables</b>	
HP USB 2.0 printer cable a-b, 2 meter (6 feet)	C6518A
<b>Service and support</b>	
Onsite installation	H4515A/E
Onsite installation and network configuration	H2872A/E
3-year, next day onsite	H3113A/E
3-year, 9x5 same day onsite	U3795A/E
3-year, 13x5 same day onsite	H3118A/E
<b>Paper</b>	
North America: <a href="http://www.hp.com/go/paper">www.hp.com/go/paper</a>	
Europe: <a href="http://www.hp.com/go/supplies">www.hp.com/go/supplies</a>	
Asia Pacific: <a href="http://www.hp.com/apac/printingsupplies">www.hp.com/apac/printingsupplies</a>	
Latin America: contact HP via phone:	
USA: 1-800-477-5010, Europe: +800 7644 7644, Asia: 65-6253-8500, Australia and New Zealand: 61-2997-2299L&R, Brasil: sac 0800 70 300 70	
<b>Printer software</b>	
HP Web Jetadmin: <a href="http://www.hp.com/go/webjetadmin">www.hp.com/go/webjetadmin</a>	
HP Easy Printer Care Software: <a href="http://www.hp.com/go/easyprintercare">www.hp.com/go/easyprintercare</a>	
HP Universal Print Driver for Windows: <a href="http://www.hp.com/go/universalprintdriver">www.hp.com/go/universalprintdriver</a>	
HP Install Network Printer Wizard: <a href="http://www.hp.com/go/inpw_sw">www.hp.com/go/inpw_sw</a>	
<b>Supplies</b>	
<a href="http://www.hp.com/go/gsc">www.hp.com/go/gsc</a>	

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